

Claim Amendments

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1-10. (Canceled)

11. (previously presented) A general packet radio services support node for supporting general packet radio services (GPRS) over a global system for mobile communications network comprising:

a single board computer for providing general packet radio services functionality of a serving GPRS support node and a gateway GPRS support node which is required for each call being serviced;

a line card processor for providing general packet radio services functionality of a serving GPRS support node and a gateway GPRS support node which is required for each packet being serviced;

an internal bus for providing communications between the single board computer and the line card processor.

12. (previously presented) The general packet radio services support node as recited in claim 11 wherein the general packet radio services support node functions as a serving general packet radio services support node and a gateway general packet radio services support node.

13. (previously presented) The general packet radio services support node as recited in claim 12 wherein the single board computer supports radio resource management, authentication and mobility management for the serving general packet radio service support node;

wherein the single board computer supports session management functionality for the gateway general packet radio services support node.

14. (Original) The general packet radio services support node as recited in claim 13 wherein the radio resource management comprises cell selection management.

15. (Original) The general packet radio services support node as recited in claim 13 wherein the radio resource management comprises call path management.

16. (Original) The general packet radio services support node as recited in claim 13 wherein the radio resource management comprises U_m interface management.

17-18. (canceled)

19. (previously presented) The general packet radio services support node as recited in claim 13 wherein the mobility management comprises line management.

20. (previously presented) The general packet radio services support node as recited in claim 13 wherein the mobility management comprises logical link establishment, maintenance and release.

21. (previously presented) The general packet radio services support mode as recited in claim 13 wherein the line card processor supports one or more of routing and tunneling functions, an encryption function, and a compression function for the serving general packet radio service support node;

wherein the line card processor supports one or more of address translation functionality, access control functionality, and routing and tunneling functions for the gateway general packet radio services support node.

22-28. (canceled)

29. (previously presented) A method for implementing general packet radio services (GPRS) over a global system for mobile communications network comprising the steps of:

providing a general packet radio services support node having first and second computing devices;

supporting general packet radio services functionality of a serving GPRS support node and a gateway GPRS support node which is required for each call being serviced from the first computing device; and

supporting general packet radio services functionality of a serving GPRS support node and a gateway GPRS support node which is required for each packet being serviced from the second computing device.

30. (Original) The method as recited in claim 29 wherein the first computing device is a single board computer.

31. (previously presented) The method as recited in claim 29 wherein the second computing device is a line card processor.

32. (previously presented) The method as recited in claim 29 wherein the step of providing a general packet radio services support node comprises the step of:

providing the general packet radio services support node which functions as a serving general packet radio services support node;

wherein the step of providing a general packet radio services support node comprises the step of:

providing the general packet radio services support node which functions as a gateway general packet radio services support node.

33. (Original) The method as recited in claim 32 wherein the step of supporting general packet radio services functionality which is required for each call being serviced comprises the step of:

supporting radio resource management by the first computing device.

34. (Original) The method as recited in claim 33 wherein the step of supporting general packet radio services functionality which is required for each packet being serviced comprises the step of:

supporting at least one of encryption, compression, routing and tunneling functions by the second computing device.

35. (canceled)

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36. (previously presented) The method as recited in claim 32 wherein the step of supporting general packet radio services functionality which is required for each call being serviced comprises the step of:

supporting session management by the second computing device.

37. (previously presented) The method as recited in claim 32 wherein the step of supporting general packet radio services functionality which is required for each packet being serviced comprises the step of:

supporting at least one of address translation, access control, routing and tunneling functionality by the second computing device.